References

[1] John Abbott. Bounds on factors in $z[x]$. *J. Symbolic Computation*, 50:532–563, 2013.

[2] S.A. Abramov and A.A. Ryabenko. Linear q-difference equations depending on a parameter. *J. Symbolic Computation*, 49:65–77, 2013.

[3] Amod Agashe and Randy Heaton. Computing intersection numbers between abelian varieties associated to subspaces of modular forms. *J. Symbolic Computation*, 57:70–77, 2013.

[4] Luiz Emilio Allem, Shuhong Gao, and Vilmar Trevisan. Extracting sparse factors from multivariate integral polynomials. *J. Symbolic Computation*, 52:3–16, 2013.

[5] Feza Arslan, Neslihan Sipahi, and Nil Şahin. Monomial curve families supporting rossi's conjecture. *J. Symbolic Computation*, 55:10–18, 2013.

[6] Andreas Arvanitoyeorgos, Ioannis Chrysikos, and Yusuke Sakane. Proving isometry for homogeneous einstein metrics on flag manifolds by symbolic computation. *J. Symbolic Computation*, 55:59–71, 2013.

[7] John Ballantyne and Peter Rowley. A note on computing involution centralizers. *J. Symbolic Computation*, 54:1–8, 2013.

[8] E. Ballico, M. Elia, and M. Sala. On the evaluation of multivariate polynomials over finite fields. *J. Symbolic Computation*, 50:255–262, 2013.

[9] Moulay A. Barkatou and Carole El Bacha. On k-simple forms of first-order linear differential systems and their computation. *J. Symbolic Computation*, 54:36–58, 2013.

[10] Moulay A. Barkatou, Carole El Bacha, George Labahn, and Eckhard Pflügel. On simultaneous row and column reduction of higher-order linear differential systems. *J. Symbolic Computation*, 49:45–64, 2013.

[11] Gabriel Bartolini, Antonio F. Costa, and Milagros Izquierdo. On automorphisms groups of cyclic p-gonal riemann surfaces. *J. Symbolic Computation*, 57:61–69, 2013.

[12] Daniel J. Bates, David Eklund, and Chris Peterson. Computing intersection numbers of chern classes. *J. Symbolic Computation*, 50:493–507, 2013.

[13] A. Bernardi, J. Brachat, P. Comon, and B. Mourrain. General tensor decomposition, moment matrices and applications. *J. Symbolic Computation*, 52:51–71, 2013.

[14] Alessandra Bernardi and Kristian Ranestad. On the cactus rank of cubics forms. *J. Symbolic Computation*, 50:291–297, 2013.

[15] Cristina Bertone, Francesca Cioffi, Paolo Lella, and Margherita Roggero. Upgraded methods for the effective computation of marked schemes on a strongly stable ideal. *J. Symbolic Computation*, 50:263–290, 2013.

[16] Cristina Bertone, Paolo Lella, and Margherita Roggero. A borel open cover of the hilbert scheme. *J. Symbolic Computation*, 53:119–135, 2013.

[17] Marcus Bishop, J. Matthew Douglass, Götz Pfeiffer, and Gerhard Röhrle. Computations for coxeter arrangements and solomon's descent algebra: Groups of rank three and four. *J. Symbolic Computation*, 50:139–158, 2013.

[18] Raoul Blankertz, Joachim von zur Gathen, and Konstantin Ziegler. Compositions and collisions at degree p^2. *J. Symbolic Computation*, 59:113–145, 2013.

[19] Michael Bogner and Stefan Reiter. On symplectically rigid local systems of rank four and calabi-yau operators. *J. Symbolic Computation*, 48:64–100, 2013.

[20] Janko Böhm, Wolfram Decker, Santiago Laplagne, Gerhard Pfister, Andreas Steenpaß, and Stefan Steidel. Parallel algorithms for normalization. *J. Symbolic Computation*, 51:99–114, 2013.

[21] Hartwig Bosse, Christine Gärtner, and Oleg Golubitsky. Ideal-specific elimination orders form a star-shaped region. *J. Symbolic Computation*, 56:69–79, 2013.

[22] Michael Brickenstein and Alexander Dreyer. Gröbner-free normal forms for boolean polynomials. *J. Symbolic Computation*, 48:37–53, 2013.

[23] Gavin Brown and Alexander M. Kasprzyk. Small polygons and toric codes. *J. Symbolic Computation*, 51:55–62, 2013.

[24] C. Cadavid, S. Molina, and J.D. Vélez. Limits of quotients of bivariate real analytic functions. *J. Symbolic Computation*, 50:197–207, 2013.

[25] Changbo Chen, James H. Davenport, John P. May, Marc Moreno Maza, Bican Xia, and Rong Xiao. Triangular decomposition of semi-algebraic systems. *J. Symbolic Computation*, 49:3–26, 2013.

[26] Changbo Chen, James H. Davenport, Marc Moreno Maza, Bican Xia, and Rong Xiao. Computing with semi-algebraic sets: Relaxation techniques and effective boundaries. *J. Symbolic Computation*, 52:72–96, 2013.

[27] Jin-San Cheng, Kai Jin, and Daniel Lazard. Certified rational parametric approximation of real algebraic space curves with local generic position method. *J. Symbolic Computation*, 58:18–40, 2013.

[28] Harm Derksen. The graph isomorphism problem and approximate categories. *J. Symbolic Computation*, 59:81–112, 2013.

[29] A.S. Detinko, D.L. Flannery, and E.A. O'Brien. Recognizing finite matrix groups over infinite fields. *J. Symbolic Computation*, 50:100–109, 2013.

[30] Heiko Dietrich, Paolo Faccin, and Willem A. de Graaf. Computing with real lie algebras: Real forms, cartan decompositions, and cartan subalgebras. *J. Symbolic Computation*, 56:27–45, 2013.

[31] Christian Dönch. Characterization of relative gröbner bases. *J. Symbolic Computation*, 55:19–29, 2013.

[32] Christian Eder. An analysis of inhomogeneous signature-based gröbner basis computations. *J. Symbolic Computation*, 59:21–35, 2013.

[33] Ioannis Z. Emiris and Éric Schost. Special issue on symbolic and algebraic computation: Foundations, algorithmics and applications: Issac 2011. *J. Symbolic Computation*, 52:1–2, 2013.

[34] Rida T. Farouki, Petroula Dospra, and Takis Sakkalis. Scalar-vector algorithm for the roots of quadratic quaternion polynomials, and the characterization of quintic rational rotation-minimizing frame curves. *J. Symbolic Computation*, 58:1–17, 2013.

[35] Rida T. Farouki and Takis Sakkalis. Corrigendum to "rational rotation-minimizing frames on polynomial space curves of arbitrary degree". *J. Symbolic Computation*, 58:99–102, 2013. Originally in J. Symbolic Computation, Vol. 45, 2010, No. 8, 844-856.

[36] J.I. Farrán, C. Munuera, G. Tizziotti, and F. Torres. Gröbner basis for norm-trace codes. *J. Symbolic Computation*, 48:54–63, 2013.

[37] Jean-Charles Faugère, Mohab Safey El Din, and Pierre-Jean Spaenlehauer. On the complexity of the generalized minrank problem. *J. Symbolic Computation*, 55:30–58, 2013.

[38] M. Foupouagnigni, W. Koepf, and D.D. Tcheutia. Connection and linearization coefficients of the askey-wilson polynomials. *J. Symbolic Computation*, 53:96–118, 2013.

[39] Gene Freudenburg. Foundations of invariant theory for the down operator. *J. Symbolic Computation*, 57:19–47, 2013.

[40] André Galligo. Budan tables of real univariate polynomials. *J. Symbolic Computation*, 53:64–80, 2013.

[41] André Galligo. Deformation of roots of polynomials via fractional derivatives. *J. Symbolic Computation*, 52:35–50, 2013.

[42] J.I. García-García, M.A. Moreno-Frías, and A. Vigneron-Tenorio. On decomposable semigroups and applications. *J. Symbolic Computation*, 58:103–116, 2013.

[43] Vladimir P. Gerdt, Amir Hashemi, and Benyamin M.-Alizadeh. Involutive bases algorithm incorporating f_5 criterion. *J. Symbolic Computation*, 59:1–20, 2013.

[44] Enrique González-Jiménez and José M. Tornero. Markoff-rosenberger triples in arithmetic progression. *J. Symbolic Computation*, 53:53–63, 2013.

[45] R. Gray, A. Malheiro, and S.J. Pride. Homotopy bases and finite derivation type for schützenberger groups of monoids. *J. Symbolic Computation*, 50:50–78, 2013.

[46] David Gruber and Martin Peternell. Conchoid surfaces of quadrics. *J. Symbolic Computation*, 59:36–53, 2013.

[47] Li Guo, William Y. Sit, and Ronghua Zhang. Differential type operators and gröbner-shirshov bases. *J. Symbolic Computation*, 52:97–123, 2013.

[48] Becky Eide Hall. Computing homology using generalized gröbner bases. *J. Symbolic Computation*, 54:59–71, 2013.

[49] Michael Harrison. Explicit solution by radicals, gonal maps and plane models of algebraic curves of genus 5 or 6. *J. Symbolic Computation*, 51:3–21, 2013.

[50] Abramo Hefez and Marcelo Escudeiro Hernandes. Algorithms for the implementation of the analytic classification of plane branches. *J. Symbolic Computation*, 50:308–313, 2013.

[51] María Isabel Herrero, Gabriela Jeronimo, and Juan Sabia. Affine solution sets of sparse polynomial systems. *J. Symbolic Computation*, 51:34–54, 2013.

[52] Christopher J. Hillar and Abraham Martín del Campo. Finiteness theorems and algorithms for permutation invariant chains of laurent lattice ideals. *J. Symbolic Computation*, 50:314–334, 2013.

[53] Shenglong Hu, Zheng-Hai Huang, Chen Ling, and Liqun Qi. On determinants and eigenvalue theory of tensors. *J. Symbolic Computation*, 50:508–531, 2013.

[54] Alexander Hulpke. Computing generators of groups preserving a bilinear form over residue class rings. *J. Symbolic Computation*, 50:298–307, 2013.

[55] Nathan Owen Ilten and Lars Kastner. Calculating generators of multigraded algebras. *J. Symbolic Computation*, 51:22–33, 2013.

[56] Maximilian Jaroschek. Improved polynomial remainder sequences for ore polynomials. *J. Symbolic Computation*, 58:64–76, 2013.

[57] Claude-Pierre Jeannerod, Clément Pernet, and Arne Storjohann. Rank-profile revealing gaussian elimination and the cup matrix decomposition. *J. Symbolic Computation*, 56:46–68, 2013.

[58] Lamia Labed Jilani, Olfa Mraihi, Asma Louhichi, Wided Ghardallou, Khaled Bsaies, and Ali Mili. Invariant functions and invariant relations: An alternative to invariant assertions. *J. Symbolic Computation*, 48:1–36, 2013.

[59] Meng Jin, Xiaoliang Li, and Dongming Wang. A new algorithmic scheme for computing characteristic sets. *J. Symbolic Computation*, 50:431–449, 2013.

[60] Hülya Kadioglu and Tracy L. Payne. Computational methods for nil-soliton metric lie algebras i. *J. Symbolic Computation*, 50:350–373, 2013.

[61] Deepak Kapur, Yao Sun, and Dingkang Wang. An efficient algorithm for computing a comprehensive gröbner system of a parametric polynomial system. *J. Symbolic Computation*, 49:27–44, 2013.

[62] Deepak Kapur, Yao Sun, and Dingkang Wang. An efficient method for computing comprehensive gröbner bases. *J. Symbolic Computation*, 52:124–142, 2013.

[63] Simon A. King. Minimal generating sets of non-modular invariant rings of finite groups. *J. Symbolic Computation*, 48:101–109, 2013.

[64] Roberto La Scala and Viktor Levandovskyy. Skew polynomial rings, gröbner bases and the letterplace embedding of the free associative algebra. *J. Symbolic Computation*, 48:110–131, 2013.

[65] H. Lange and P.E. Newstead. Bundles of rank 3 on curves of clifford index 3. *J. Symbolic Computation*, 57:3–18, 2013.

[66] Jean-Bernard Lasserre, Monique Laurent, Bernard Mourrain, Philipp Rostalski, and Philippe Trébuchet. Moment matrices, border bases and real radical computation. *J. Symbolic Computation*, 51:63–85, 2013.

[67] Ye Liang. Selecting lengths of floats for the computation of approximate gröbner bases. *J. Symbolic Computation*, 53:40–52, 2013.

[68] Ye Liang. Structures of precision losses in computing approximate gröbner bases. *J. Symbolic Computation*, 53:81–95, 2013.

[69] S. Linton, K. Hammond, A. Konovalov, C. Brown, P.W. Trinder, H.-W. Loidl, P. Horn, and D. Roozemond. Easy composition of symbolic computation software using scscp: A new lingua franca for symbolic computation. *J. Symbolic Computation*, 49:95–119, 2013.

[70] Y.P. Liu, S.J. Liao, and Z.B. Li. Symbolic computation of strongly nonlinear periodic oscillations. *J. Symbolic Computation*, 55:72–95, 2013.

[71] Ryutaroh Matsumoto, Diego Ruano, and Olav Geil. Generalization of the lee-o'sullivan list decoding for one-point ag codes. *J. Symbolic Computation*, 55:1–9, 2013.

[72] Ernst W. Mayr and Stephan Ritscher. Dimension-dependent bounds for gröbner bases of polynomial ideals. *J. Symbolic Computation*, 49:78–94, 2013.

[73] Maria Michalska. Curves testing boundedness of polynomials on subsets of the real plane. *J. Symbolic Computation*, 56:107–124, 2013.

[74] Jason Morton. Relations among conditional probabilities. *J. Symbolic Computation*, 50:478–492, 2013.

[75] Bernard Mourrain and Nelly Villamizar. Homological techniques for the analysis of the dimension of triangular spline spaces. *J. Symbolic Computation*, 50:564–577, 2013.

[76] Toshinori Oaku. Algorithms for integrals of holonomic functions over domains defined by polynomial inequalities. *J. Symbolic Computation*, 50:1–27, 2013.

[77] Luke Oeding and Giorgio Ottaviani. Eigenvectors of tensors and algorithms for waring decomposition. *J. Symbolic Computation*, 54:9–35, 2013.

[78] Roger Oyono and Nicolas Thériault. Group arithmetic in $c_{3,5}$ curves. *J. Symbolic Computation*, 56:1–26, 2013.

[79] B. Paláncz. Application of dixon resultant to satellite trajectory control by pole placement. *J. Symbolic Computation*, 50:79–99, 2013.

[80] Thomas Peter, Gerlind Plonka, and Daniela Roşca. Representation of sparse legendre expansions. *J. Symbolic Computation*, 50:159–169, 2013.

[81] Daniel Plaumann and Cynthia Vinzant. Determinantal representations of hyperbolic plane curves: An elementary approach. *J. Symbolic Computation*, 57:48–60, 2013.

[82] Adrien Poteaux and Éric Schost. On the complexity of computing with zero-dimensional triangular sets. *J. Symbolic Computation*, 50:110–138, 2013.

[83] Primož Potočnik, Pablo Spiga, and Gabriel Verret. Cubic vertex-transitive graphs on up to 1280 vertices. *J. Symbolic Computation*, 50:465–477, 2013.

[84] Shengchao Qin, Guanhua He, Chenguang Luo, Wei-Ngan Chin, and Xin Chen. Loop invariant synthesis in a combined abstract domain. *J. Symbolic Computation*, 50:386–408, 2013.

[85] Felipe Rincón. Computing tropical linear spaces. *J. Symbolic Computation*, 51:86–98, 2013.

[86] Dan Roozemond. Computing split maximal toral subalgebras of lie algebras over fields of small characteristic. *J. Symbolic Computation*, 50:335–349, 2013.

[87] Bjarke Hammersholt Roune and Eduardo Sáenz-de Cabezón. Complexity and algorithms for euler characteristic of simplicial complexes. *J. Symbolic Computation*, 50:170–196, 2013.

[88] Marie-Françoise Roy and Sidi Mohamed Sedjelmaci. New fast euclidean algorithms. *J. Symbolic Computation*, 50:208–226, 2013.

[89] Sonia L. Rueda, Juana Sendra, and J. Rafael Sendra. An algorithm to parametrize approximately space curves. *J. Symbolic Computation*, 56:80–106, 2013.

[90] T. Shaska. Computational algebraic geometry. *J. Symbolic Computation*, 57:1–2, 2013.

[91] Zhikun She, Haoyang Li, Bai Xue, Zhiming Zheng, and Bican Xia. Discovering polynomial lyapunov functions for continuous dynamical systems. *J. Symbolic Computation*, 58:41–63, 2013.

[92] Xiaoran Shi, Xiaohong Jia, and Ron Goldman. Using a bihomogeneous resultant to find the singularities of rational space curves. *J. Symbolic Computation*, 53:1–25, 2013.

[93] Ivan Soprunov. Toric complete intersection codes. *J. Symbolic Computation*, 50:374–385, 2013.

[94] Stefan Steidel. Gröbner bases of symmetric ideals. *J. Symbolic Computation*, 54:72–86, 2013.

[95] Nicole Sutherland. Efficient computation of maximal orders in artin-schreier extensions. *J. Symbolic Computation*, 53:26–39, 2013.

[96] Luis Felipe Tabera. Computing hypercircles by moving hyperplanes. *J. Symbolic Computation*, 50:450–464, 2013.

[97] Joris van der Hoeven. Guessing singular dependencies. *J. Symbolic Computation*, 59:54–80, 2013.

[98] Joris van der Hoeven and Grégoire Lecerf. On the bit-complexity of sparse polynomial and series multiplication. *J. Symbolic Computation*, 50:227–254, 2013.

[99] Mark van Hoeij, Jürgen Klüners, and Andrew Novocin. Generating subfields. *J. Symbolic Computation*, 52:17–34, 2013.

[100] Joachim von zur Gathen. Lower bounds for decomposable univariate wild polynomials. *J. Symbolic Computation*, 50:409–430, 2013.

[101] Martin Weimann. Factoring bivariate polynomials using adjoints. *J. Symbolic Computation*, 58:77–98, 2013.

[102] Ming Xu and Zhi-Bin Li. Symbolic termination analysis of solvable loops. *J. Symbolic Computation*, 50:28–49, 2013.